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**BPEL**

Carolina Power & Light Company

31 JAN 5 1981  
Brunswick Steam Electric Plant  
P. O. Box 10429  
Southport, NC 28461

81-001-04L  
81-001-04L

December 24, 1980

FILE: B09-13516.2  
SERIAL: BSEP/80-2057

Mr. James P. O'Reilly, Director  
U. S. Nuclear Regulatory Commission  
Region II, Suite 3100  
101 Marietta Street  
Atlanta, GA 30303



BRUNSWICK STEAM ELECTRIC PLANT UNIT NOS. 1 & 2  
LICENSE NOS. DPR-71 AND DPR-62  
DOCKET NOS. 50-325 AND 50-324  
30-DAY NON-ROUTINE RADIOLOGICAL ENVIRONMENTAL EVENT REPORT

Dear Mr. O'Reilly:

Results of gross beta analysis (weighted analysis) of weekly air particulate samples collected on February 22, 1980, and February 25, 1980, as part of the Brunswick Steam Electric Plant's Environmental Radiological Monitoring Program, detected gross beta activity at the concentration of  $4.60 \pm 0.19 \text{ E-1 pCi/m}^3$  at air particulate sampling station 23 (PMAC). At station 22 (control station) the gross beta concentration was  $3.27 \pm 0.44 \text{ E-2 pCi/m}^3$ . The gross beta concentration found in the sample constitutes a 30-day reportable event in accordance with the Brunswick Technical Specifications, Appendix B, Section 5.4.2b, pertinent to environmental sampling. A computational error in the original calculation, discovered on December 5, 1980, is responsible for the notification delay. Other environmental analyses and corrective actions were previously reported to the Region II office. (Reference letter to Mr. J. P. O'Reilly, Director, Region II office, dated April 22, 1980. Serial No. BSEP 80-691.)

Very truly yours,

A. C. Tollison, Jr., General Manager  
Brunswick Steam Electric Plant

AHC/mew

cc: Mr. R. A. Hartfield  
Mr. V. Stello, Jr.

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